

**APPLIED  
CONCEPTS INC.**

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**AC2-12-1133**

*PRODUCT DATA SHEET*

12/08/00

**CCFL INVERTER**

*(For Multiple Tube Applications)*

The AC2-12-1133 is designed to power 4 CCFL's to a nominal power level of 16.5 watts.

Intensity control (0-100%) is accomplished by the user providing a variable dc level of 0V(off) to 5V(full-on) at pin 6 of CON1.

Enable control is accomplished at pin 5 of CON1 (0V=off, 5V=on).

All outputs are open and short circuit protected.

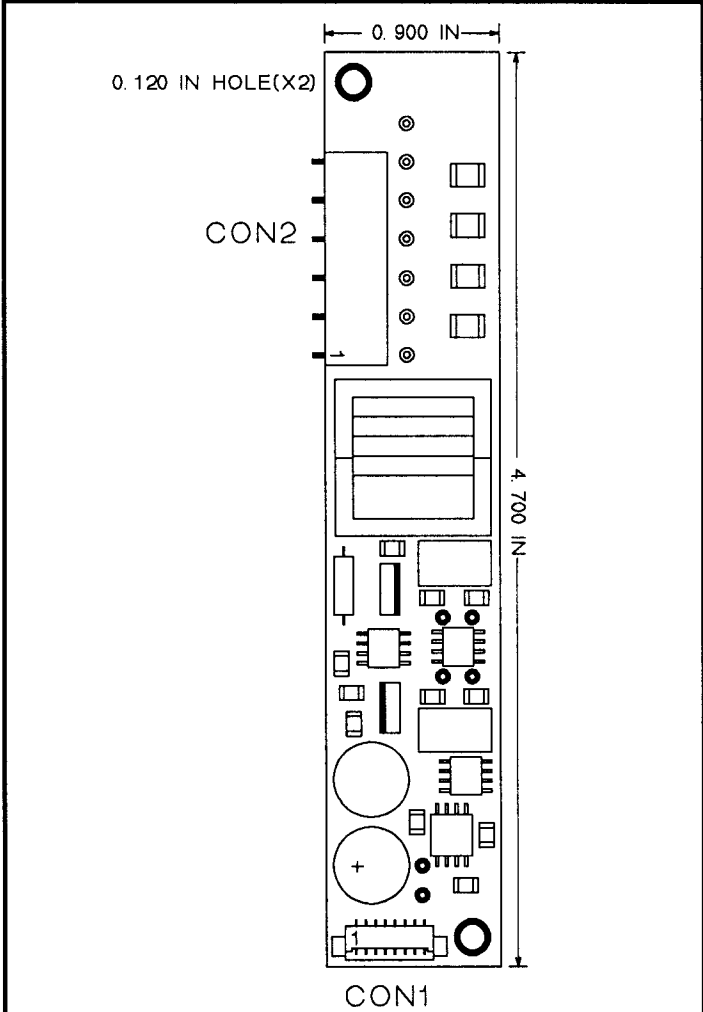
**Specifications:**

- Vin = +12V +/- 10%
- CCFL strike voltage = 1400Vrms @ Vin=12V
- CCFL tube current = 7.5 mA/tube @ 100% intensity/Vin=12V)
- Recommended CCFL sustaining voltage = 450Vrms - 650Vrms
- Nominal tube current frequency = 58khz +/- 10%
- Nominal pwm frequency = 98Hz +/- 3%
- Pwm duty cycle range = 0 to 100%
- Average electrical efficiency >90%
- External PWM signal input control via enable pin
- Output PWM sync signal @ pin 8 of CON1

**Additional control capability:\***

- Supports multiple units ie:Master/Slave(s)
- Synchronization to display frame-rate
- Low power sleep-mode and soft-start

\* Please contact factory for information



PROFILE < 0.575 IN

INPUT CONNECTOR CON1 MOLEX 53261-0890		OUTPUT CONNECTOR CON2 MOLEX 22-28-1130	
PIN #	FUNCTION	PIN #	FUNCTION
1	+12V(PWR)	1	CCFL COMMON
2	+12V(PWR)	2	NC
3	GND(PWR)	3	CCFL4
4	GND(PWR)	4	NC
5	ENABLE	5	CCFL3
6	VCNTL	6	NC
7	TBD/+5V OUT	7	CCFL2
8	PWM OUT	8	NC
		9	CCFL1
		10	NC
		11	NC
		12	NC
		13	NC